

FILE 'HOME' ENTERED AT 14:19:58 ON 18 APR 2005

=> file biosis caplus caba agricola

=> s leaf and (shape or length or width) and gene  
L1 4173 LEAF AND (SHAPE OR LENGTH OR WIDTH) AND GENE

=> s l1 and transform?  
L2 531 L1 AND TRANSFORM?

=> duplicate remove l2  
L3 327 DUPLICATE REMOVE L2 (204 DUPLICATES REMOVED)

=> d ti 1-50

L3 ANSWER 1 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH890

L3 ANSWER 2 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH7BW

L3 ANSWER 3 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH6CF

L3 ANSWER 4 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH6WA

L3 ANSWER 5 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI The molecular characterization of a cDNA encoding the putative integral membrane protein, HvSec61[alpha], expressed during early stage of barley kernel development.

L3 ANSWER 6 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI High-level production of yeast (*Schwanniomyces occidentalis*) phytase in transgenic rice plants by a combination of signal sequence and codon modification of the phytase **gene**.

L3 ANSWER 7 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Development of double-**transformed** lettuce plants with two types of human ferritin **gene**

L3 ANSWER 8 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Epitope tagging of legume root nodule extensin modifies protein structure and crosslinking in cell walls of **transformed** tobacco leaves.

L3 ANSWER 9 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Nucleic acids encoding transcription factors in plants and their use for modifying phenotypic properties in transgenic plants

L3 ANSWER 10 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line NP2315

L3 ANSWER 11 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line 366C

L3 ANSWER 12 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line 413A

L3 ANSWER 13 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Plants and seeds of corn variety I244225

L3 ANSWER 14 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Plants and seeds of corn variety I363128

L3 ANSWER 15 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH8PG

L3 ANSWER 16 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH75K

L3 ANSWER 17 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH7AB

L3 ANSWER 18 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH3RC

L3 ANSWER 19 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred maize line PH3PV

L3 ANSWER 20 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN DUPLICATE 1  
TI A DNAbeta associated with Tomato Yellow **Leaf** Curl China Virus is  
required for symptom induction.

L3 ANSWER 21 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Role of 2,4-dichlorophenoxyacetic acid (2,4-D) in somatic embryogenesis on  
cultured zygotic embryos of Arabidopsis: cell expansion, cell cycling, and  
morphogenesis during continuous exposure of embryos to 2,4-D.

L3 ANSWER 22 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI **Gene** and enhancer trap tagging of vascular-expressed genes in  
poplar trees

L3 ANSWER 23 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Activation of the Oryza sativa non-symbiotic haemoglobin-2 promoter by the  
cytokinin-regulated transcription factor, ARR1

L3 ANSWER 24 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Rearrangements in the Cf-9 disease resistance **gene** cluster of  
wild tomato have resulted in three genes that mediate Avr9 responsiveness.

L3 ANSWER 25 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Construction and **transformation** of an antisense CMV 2b  
**gene**.

L3 ANSWER 26 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Identification and characterization of several new members of the ZIP  
family of metal ion transporters in Medicago truncatula.

L3 ANSWER 27 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Improvement of drought tolerance in transgenic tobacco plants by a  
dehydrin-like **gene** transfer.

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DUPLICATE 4  
TI Ploidy variation among herbicide-resistant bermudagrass plants of cv.  
TifEagle **transformed** with the bar **gene**.

L3 ANSWER 29 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Cloning and expression of an alternative oxidase **gene** from  
Lycopersicon esculentum.

L3 ANSWER 30 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI amphivasal vascular bundle 1, a gain-of-function mutation of the IFL1/REV  
**gene**, is associated with alterations in the polarity of leaves,  
stems and carpels

L3 ANSWER 31 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Field evaluation and risk assessment of transgenic indica basmati rice

L3 ANSWER 32 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Cloning, expression and characterization of LeFRK3, the fourth tomato  
(Lycopersicon esculentum Mill.) **gene** encoding fructokinase

- L3 ANSWER 33 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Over-expression of ascorbate peroxidase in tobacco chloroplasts enhances the tolerance to salt stress and water deficit.
- L3 ANSWER 34 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Purification, and molecular studies on an Egyptian isolate of barley yellow dwarf luteovirus.
- L3 ANSWER 35 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Structure and expression of the barley stem rust resistance **gene** Rpg1 messenger RNA.
- L3 ANSWER 36 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Ribosome-inactivating activity and cDNA cloning of antiviral protein isoforms of Chenopodium album
- L3 ANSWER 37 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7  
TI Generation of a rice mutant library by shotgun antisense **gene** silencing and mutant screening
- L3 ANSWER 38 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Transgenic regal pelargoniums that express the rolC **gene** from Agrobacterium rhizogenes exhibit a dwarf floral and vegetative phenotype.
- L3 ANSWER 39 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 9  
TI Inhibition of a ubiquitously expressed pectin methyl esterase in Solanum tuberosum L. affects plant growth, **leaf** growth polarity, and ion partitioning
- L3 ANSWER 40 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Silencing of ribosomal protein L3 genes in N. tabacum reveals coordinate expression and significant alterations in plant growth, development and ribosome biogenesis.
- L3 ANSWER 41 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Transient **gene** expression in secondary somatic embryos from coffee tissues electroporated with the genes gus and bar.
- L3 ANSWER 42 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Rice cold stress-responsive CRTINTP **gene**
- L3 ANSWER 43 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Use of Arabidopsis thaliana genes encoding transcription factors for modifying traits in transgenic plants
- L3 ANSWER 44 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred corn plant 5750 and seeds thereof
- L3 ANSWER 45 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI cDNAs encoding sucrose phosphate synthase for increased cellulose synthesis in transgenic cotton plants
- L3 ANSWER 46 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Soybean cultivar S10-T1
- L3 ANSWER 47 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Soybean cultivar SJ743473
- L3 ANSWER 48 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Soybean cultivar SJ743490
- L3 ANSWER 49 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Disease and herbicide resistant soybean cultivar S30-Y8
- L3 ANSWER 50 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

TI The arabidopsis LATERAL ORGAN BOUNDARIES-domain **gene** ASYMMETRIC LEAVES2 functions in the repression of KNOX **gene** expression and in adaxial-abaxial patterning.

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AN 2003:522762 BIOSIS  
DN PREV200300510837

TI The arabidopsis LATERAL ORGAN BOUNDARIES-domain **gene** ASYMMETRIC LEAVES2 functions in the repression of KNOX **gene** expression and in adaxial-abaxial patterning.

AU Lin, Wan-ching; Shuai, Bin; Springer, Patricia S. [Reprint Author]  
CS Department of Botany and Plant Sciences and Center for Plant Cell Biology, University of California, Riverside, CA, 92521, USA  
patricia.springer@ucr.edu

SO Plant Cell, (October 2003) Vol. 15, No. 10, pp. 2241-2252. print.  
CODEN: PLCEEW. ISSN: 1040-4651.

DT Article

LA English

ED Entered STN: 5 Nov 2003

Last Updated on STN: 5 Nov 2003

AB The normal development of lateral organs of the shoot requires the simultaneous repression of meristem-specific genes and the activation of organ-specific genes. ASYMMETRIC LEAVES2 (AS2) is required for the development of normal **leaf shape** and for the repression of KNOX genes in the **leaf**. AS2 is a member of the recently identified, plant-specific LATERAL ORGAN BOUNDARIES (LOB)-domain **gene** family. Expression of AS2 at high levels resulted in repression of the KNOX homeobox genes BREVIPEDICELLUS, KNAT2, and KNAT6 but not of the related SHOOT MERISTEMLESS **gene**. Overexpression of AS2 also led to a perturbation of normal adaxial-abaxial asymmetry in lateral organs, resulting in the replacement of abaxial cell types with adaxial cell types. These results indicate that AS2 is sufficient to induce adaxial cell fate and repress KNOX **gene** expression.

=> d ti 51-100

L3 ANSWER 51 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Tolerance of mannitol-accumulating transgenic wheat to water stress and salinity.

L3 ANSWER 52 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 12  
TI  $\beta$ -Alanine N-methyltransferase of Limonium latifolium. cDNA cloning and functional expression of a novel N-methyltransferase implicated in the synthesis of the osmoprotectant  $\beta$ -alanine betaine

L3 ANSWER 53 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Horticultural characterization of Angelonia salicariifolia plants **transformed** with wild-type strains of Agrobacterium rhizogenes.

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TI Assembly of cholera toxin B subunit full-length rotavirus NSP4 fusion protein oligomers in transgenic potato

L3 ANSWER 55 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI A pea antisense **gene** for the chloroplast stromal processing peptidase yields seedling lethals in Arabidopsis: Survivors show defective GFP import in vivo.

L3 ANSWER 56 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Elucidation of the functions of genes central to diterpene metabolism in tobacco trichomes using posttranscriptional **gene** silencing.

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TI Construction of synthetic genes for analogs of spider silk spidroin 1 and their expression in tobacco plants.

L3 ANSWER 58 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 14  
TI Isolation and functional analysis of a strong specific promoter in photosynthetic tissues

L3 ANSWER 59 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Apple breeding progress in Japan.

L3 ANSWER 60 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 15  
TI Construction of Synthetic Genes for Analogs of Spider Silk Spidroin 1 and Their Expression in Tobacco Plants

L3 ANSWER 61 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Molecular characterization of a strain of Squash **leaf** curl China virus from the Philippines

L3 ANSWER 62 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Differences in the processing of DNA ends in Arabidopsis thaliana and tobacco: Possible implications for genome evolution.

L3 ANSWER 63 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Cloning and analysis of a  $\gamma$ -tocopherol methyltransferase **gene** from Brassica oleracea and the function of its recombinant protein

L3 ANSWER 64 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI In vitro proliferation and rhizogenesis of transgenic strawberry carrying maize IAA-glucose synthetase **gene** (iaglu).

L3 ANSWER 65 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Assembly of a cytosolic pine glutamine synthetase holoenzyme in leaves of transgenic poplar leads to enhanced vegetative growth in young plants.

L3 ANSWER 66 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 18  
TI Phenotypic characterization of petunia plants expressing an indoleacetic acid (IAA)-lysine synthetase transgene driven by a shoot specific promoter

L3 ANSWER 67 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI **Transformation** efficiencies and expression patterns of a series of truncated GS1-2 promoter/GUS transgenes in maize

L3 ANSWER 68 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI The phenotype of the Arabidopsis cue1 mutant is not simply caused by a general restriction of the shikimate pathway.

L3 ANSWER 69 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Expression of a Thermostable Bacterial Cellulase in Transgenic Tobacco Plants

L3 ANSWER 70 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Modifying plant growth and development using the CDK inhibitor ICK1

L3 ANSWER 71 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI A comparative study on the protective role of trehalose and LEA proteins against abiotic stresses in transgenic Chinese cabbage (Brassica campestris) overexpressing CaLEA or otsA

L3 ANSWER 72 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Sucrose level influences micropropagation and **gene** delivery into leaves from in vitro propagated highbush blueberry shoots.

L3 ANSWER 73 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Improved in Planta Expression of the Human Islet Autoantigen Glutamic Acid Decarboxylase (GAD65)

L3 ANSWER 74 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Expression of cereal peroxidase and oxalate oxidase genes in tobacco results in alterations in plant development and programmed cell death in cell cultures.

L3 ANSWER 75 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Ultrastructural organization of chloroplasts of the leaves of potato plants **transformed** with the yeast invertase **gene** at normal and low temperature.

L3 ANSWER 76 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Overexpression of a **gene** encoding hydrogen peroxide-generating oxalate oxidase evokes defense responses in sunflower

L3 ANSWER 77 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI CND41, a chloroplast nucleoid protein that regulates plastid development, causes reduced gibberellin content and dwarfism in tobacco.

L3 ANSWER 78 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Development of improved germplasm of cotton through radiation and DNA-mediated embryo **transformation** technique - evaluation and confirmation of novel genotypes.

L3 ANSWER 79 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI Transient **gene** expression in secondary somatic embryos from coffee tissues electroporated with the genes gus and bar.

L3 ANSWER 80 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 22  
 TI Isolation and identification of a super strong plant promoter from cotton **leaf** curl Multan virus

L3 ANSWER 81 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Transient **gene** expression in secondary somatic embryos from coffee tissues electroporated with the genes gus and bar

L3 ANSWER 82 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Expression of multiple proteins in transgenic plants as fusion with ubiquitin linking domain

L3 ANSWER 83 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Methods for use of rice tungro bacilliform virus promoter and plant transcription factors Rf2a and Rf2b

L3 ANSWER 84 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Production of medium chain **length** polyhydroxyalkanoates from fatty acid biosynthetic pathways

L3 ANSWER 85 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Transcription factor genes from Arabidopsis thaliana and their use for modifying plant traits

L3 ANSWER 86 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Methods of **transforming** plants and identifying parental origin of a chromosome in those plants

L3 ANSWER 87 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Soybean cultivar M800188

L3 ANSWER 88 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Soybean cultivar J604217

L3 ANSWER 89 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Soybean cultivar W518471

L3 ANSWER 90 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Plants and seeds of corn variety I161473

L3 ANSWER 91 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Plants and seeds of corn variety I015036

L3 ANSWER 92 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Methods of making hybrid maize plant & seed 34F83 with improved quality

L3 ANSWER 93 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Plastid **transformation** of Lycopersicon plants

L3 ANSWER 94 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI STY1 and STY2 promote the formation of apical tissues during Arabidopsis  
 gynoecium development.

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 TI Increases of 3-phosphoglyceric acid in potato plants through antisense  
 reduction of cytoplasmic phosphoglycerate mutase impairs photosynthesis  
 and growth, but does not increase starch contents

L3 ANSWER 96 OF 327 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 23  
 TI Expression of functional human-cytosolic Cu/Zn superoxide dismutase in  
 transgenic tobacco.

L3 ANSWER 97 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 24  
 TI Cloning and expression of cry3Aa7 **gene** from Bacillus  
 thuringiensis strain toxic to coleopteran pests

L3 ANSWER 98 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Interaction of collagen-related genes and susceptibility to betel  
 quid-induced oral submucous fibrosis

L3 ANSWER 99 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 25  
 TI Temporal and spatial expression of a polygalacturonase during **leaf**  
 and flower abscission in oilseed rape and Arabidopsis

L3 ANSWER 100 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Expression of the gD **gene** of pseudorabies virus in transgenic  
 tobacco

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L3 ANSWER 101 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Somatic hybrids between Lycopersicon esculentum and Lycopersicon  
 chmielewskii

L3 ANSWER 102 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI The abscisic acid-related SNARE homolog NtSyr1 contributes to secretion  
 and growth: Evidence from competition with its cytosolic domain.

L3 ANSWER 103 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI Cloning of glutamate dehydrogenase cDNA from Chlorella sorokiniana and  
 analysis of transgenic tobacco plants.

L3 ANSWER 104 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Study of two kinds of isoenzymes of descendants by introducing radiated  
 exogenous DNA into tomato

L3 ANSWER 105 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Modification of flowering time in Osteospermum ecklonis L. by **CONSTANS  
 gene**

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 TI Modification of flowering time in Osteospermum ecklonis L. by **CONSTANS  
 gene**.

L3 ANSWER 107 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI Improvement of linkage analysis in the silkworm, Bombyx mori, by using

cdna clones' RFLP.

- L3 ANSWER 108 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Asymmetric somatic hybrids between *Lycopersicon esculentum* and *Lycopersicon hirsutum*.
- L3 ANSWER 109 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Expression of borage  $\Delta 6$  desaturase in *Saccharomyces cerevisiae* and oilseed crops
- L3 ANSWER 110 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Function of ribulose-1,5 - biphosphate carboxylase/oxygenase activase on perception of gibberellin in rice
- L3 ANSWER 111 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Use of non-feed back inhibited (truncated) hydroxymethylglutaryl CoA reductase **gene** (thmg1) from *Hevea brasiliensis* to increase level of 4-desmethyl sterols in transgenic plant seeds
- L3 ANSWER 112 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred corn plant 16IUL6 and seeds thereof
- L3 ANSWER 113 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred corn plant 89AHD12 and seeds thereof
- L3 ANSWER 114 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred corn plant GF6151 and seeds thereof
- L3 ANSWER 115 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inbred corn plant WQDS7
- L3 ANSWER 116 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Local expression of expansin induces the entire process of **leaf** development and modifies **leaf shape**
- L3 ANSWER 117 OF 327 CABA COPYRIGHT 2005 CABI on STN DUPLICATE 28  
TI Evidence for RNA-mediated defence effects on the accumulation of Potato leafroll virus.
- L3 ANSWER 118 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Genome organization of Tobacco **leaf** curl Zimbabwe virus, a new, distinct monopartite begomovirus associated with subgenomic defective DNA molecules
- L3 ANSWER 119 OF 327 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN  
TI Use of a vector based on Potato virus X in a whole plant assay to demonstrate nuclear targeting of Potato spindle tuber viroid.
- L3 ANSWER 120 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Overexpression of KNAT1 in lettuce shifts **leaf** determinate growth to a shoot-like indeterminate growth associated with an accumulation of isopentenyl-type cytokinins
- L3 ANSWER 121 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 29  
TI Significant accumulation of C4-specific pyruvate, orthophosphate dikinase in a C3 plant, rice
- L3 ANSWER 122 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Stable genetic **transformation** of tomato plastids and expression of a foreign protein in fruit.
- L3 ANSWER 123 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Integration of the rolA **gene** into the genome of the vigorous apple rootstock A2 reduced plant height and shortened internodes.



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TI Agrobacterium-mediated **transformation** of 'Marion' blackberry.
- L3 ANSWER 125 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI **Transformation** of the apple rootstock M.9/29 with the rolB **gene** and its influence on rooting and growth.
- L3 ANSWER 126 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Tolerance of **transformed** cotton to glufosinate.
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(2005) on STN  
TI Altered development of Arabidopsis thaliana carrying the Agrobacterium  
tumefaciens ipt **gene** is partially due to ethylene effects.
- L3 ANSWER 128 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI The chloroplast clpP **gene**, encoding a proteolytic subunit of  
ATP-dependent protease, is indispensable for chloroplast development in  
tobacco.
- L3 ANSWER 129 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 33  
TI Recombination with coat protein transgene in a complementation system  
based on Cucumber mosaic virus (CMV)
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Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN  
TI Dramatic effects of truncation and sub-cellular targeting on the  
accumulation of recombinant microbial cellulase in tobacco.
- L3 ANSWER 131 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI A rapid method for the production and characterization of recombinant  
insecticidal proteins in plants
- L3 ANSWER 132 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI High level expression of C4-specific NADP-malic enzyme in leaves and  
impairment of photoautotrophic growth in a C3 plant, rice.
- L3 ANSWER 133 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Applications of biotechnology in eggplant.
- L3 ANSWER 134 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
TI Isolation and characterisation of cDNAs encoding the large and small  
subunits of ADP-glucose pyrophosphorylase from cassava (Manihot esculenta  
Crantz).
- L3 ANSWER 135 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI Impaired expression of the plastidic ferrochelatase by antisense RNA  
synthesis leads to a necrotic phenotype of **transformed** tobacco  
plants.
- L3 ANSWER 136 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Potential for manipulating carbon metabolism in wheat
- L3 ANSWER 137 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
TI **Transformation** of roses with genes for antifungal proteins
- L3 ANSWER 138 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI **Transformation** of roses with genes for antifungal proteins.
- L3 ANSWER 139 OF 327 CABA COPYRIGHT 2005 CABI on STN  
TI A comparative study of the major characters of the bollworm resistant and  
non-resistant cross combinations of the cotton variety Chuanza 9.

- L3 ANSWER 140 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 TI Detection of phytoplasma infection in rose, with degeneration symptoms.
- L3 ANSWER 141 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Multi-**gene** expression constructs for engineering plants with stacked input traits using a single **transformation** event and for production of polyhydroxyalkanoates
- L3 ANSWER 142 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Codeinone reductase from alkaloid poppy
- L3 ANSWER 143 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Protein and cDNA sequences of Arabidopsis DWF4 **gene** encoding a cytochrome P450 that mediates multiple 22 $\alpha$ -hydroxylation steps in brassinosteroid biosynthesis, and uses thereof
- L3 ANSWER 144 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Plant-codon optimized porcine transmissible gastroenteritis virus chimeric S **gene**, its construction, sequence and use in recombinant production of spike proteins for vaccinating pigs
- L3 ANSWER 145 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Molecular cloning, genomic organization, and biochemical characterization of myristoyl-CoA:protein N-myristoyltransferase from Arabidopsis thaliana.
- L3 ANSWER 146 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Performance of transgenic corn hybrids in Missouri for insect control and yield.
- L3 ANSWER 147 OF 327 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
 STN DUPLICATE 36  
 TI The chloroplast and **leaf** developmental mutant, pale cress, exhibits light-conditional severity and symptoms characteristic of its ABA deficiency.
- L3 ANSWER 148 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Transgenic "Royal Gala" apple expressing attacin E has increased field resistance to Erwinia amylovora (fire blight)
- L3 ANSWER 149 OF 327 CABA COPYRIGHT 2005 CABI on STN  
 TI Transgenic 'Royal Gala' apple expressing attacin E has increased field resistance to Erwinia amylovora (fire blight).
- L3 ANSWER 150 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI MDH1: an apple homeobox **gene** belonging to the BEL1 family

=> d bib abs 116

- L3 ANSWER 116 OF 327 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:729052 CAPLUS  
 DN 136:18020  
 TI Local expression of expansin induces the entire process of **leaf** development and modifies **leaf shape**  
 AU Pien, Stephane; Wyrzykowska, Joanna; McQueen-Mason, Simon; Smart, Cheryl; Fleming, Andrew  
 CS Institute of Plant Sciences, Swiss Federal Institute of Technology, Zurich, CH-8092, Switz.  
 SO Proceedings of the National Academy of Sciences of the United States of America (2001), 98(20), 11812-11817  
 CODEN: PNASA6; ISSN: 0027-8424  
 PB National Academy of Sciences  
 DT Journal  
 LA English  
 AB Expansins are a family of extracellular proteins proposed to play a key role in wall stress relaxation and, thus, in cell and tissue growth. To

test the possible function of expansins in morphogenesis, we have developed a technique that allows transient local microinduction of **gene** expression in transgenic plants. We have used this system to manipulate expansin **gene** expression in various tissues. Our results indicate that local expansin expression within the meristem induces a developmental program that recapitulates the entire process of **leaf** formation. Moreover, local transient induction of expansin expression on the flank of developing primordia leads to the induction of ectopic lamina tissue and thus modulation of **leaf shape**. These data describe an approach for the local manipulation of **gene** expression and indicate a role for expansin in the control of both **leaf** initiation and **shape**. These results are consistent with the action of cell division-independent mechanisms in plant morphogenesis.

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